

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090220\  
 Data File : BG046502.D  
 Acq On : 2 Sep 2020 13:58  
 Operator : CG/JU  
 Sample : PB131362BL  
 Misc :  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131362BL

Quant Time: Sep 02 15:09:43 2020  
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Sep 02 15:06:53 2020  
 Response via : Initial Calibration

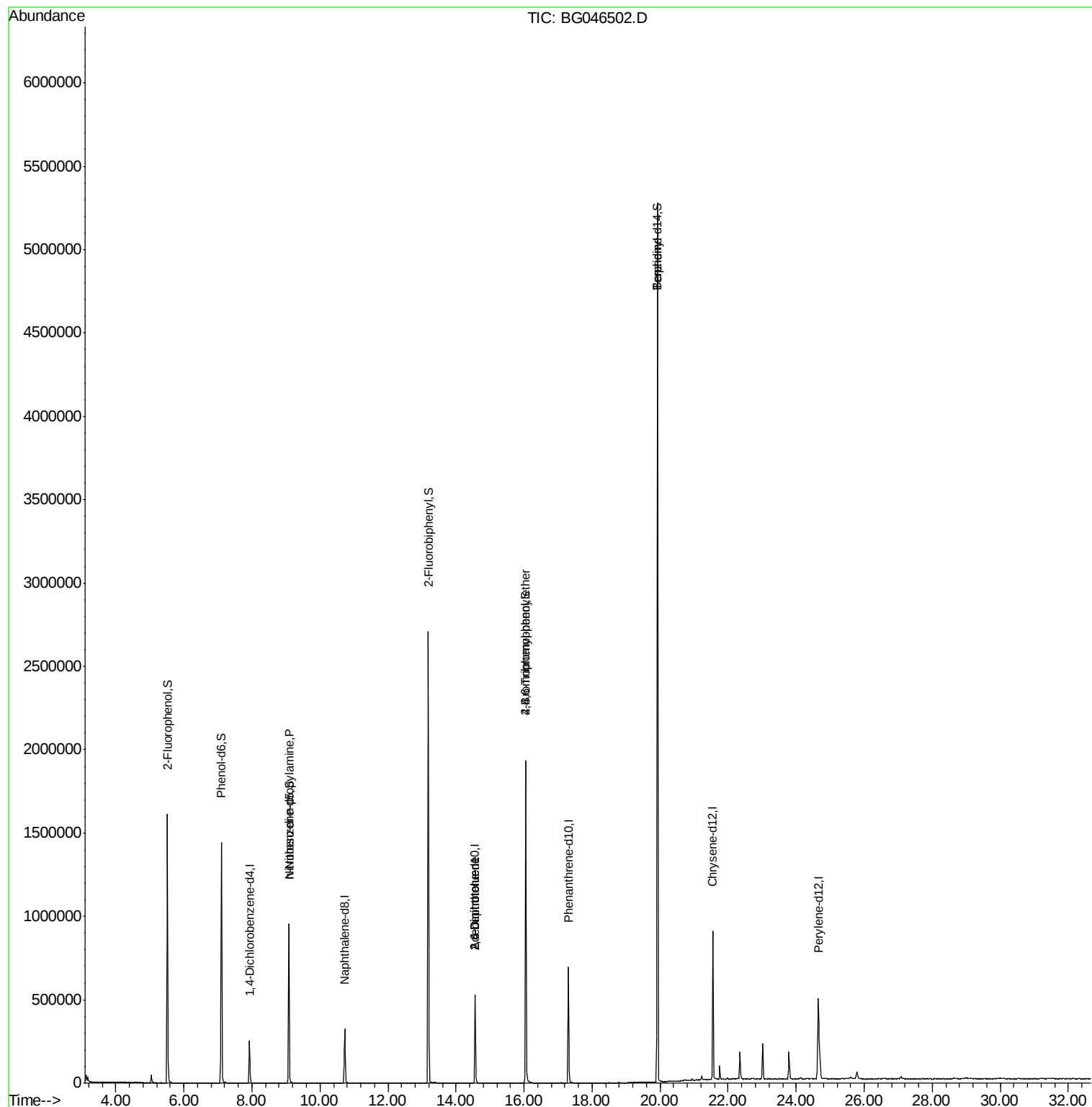
| Internal Standards             | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|--------------------------------|-------|------|----------|--------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4      | 7.93  | 152  | 79050    | 20.00  | ng    | 0.00     |
| 21) Naphthalene-d8             | 10.73 | 136  | 306745   | 20.00  | ng    | 0.00     |
| 39) Acenaphthene-d10           | 14.56 | 164  | 199955   | 20.00  | ng    | 0.00     |
| 64) Phenanthrene-d10           | 17.30 | 188  | 475627   | 20.00  | ng    | 0.00     |
| 76) Chrysene-d12               | 21.55 | 240  | 543250   | 20.00  | ng    | 0.00     |
| 86) Perylene-d12               | 24.65 | 264  | 542418   | 20.00  | ng    | 0.00     |
| System Monitoring Compounds    |       |      |          |        |       |          |
| 5) 2-Fluorophenol              | 5.52  | 112  | 756455   | 169.49 | ng    | 0.00     |
| 7) Phenol-d6                   | 7.10  | 99   | 935161   | 147.81 | ng    | 0.00     |
| 23) Nitrobenzene-d5            | 9.08  | 82   | 622595   | 116.01 | ng    | 0.00     |
| 42) 2,4,6-Tribromophenol       | 16.05 | 330  | 404263   | 149.22 | ng    | 0.00     |
| 45) 2-Fluorobiphenyl           | 13.18 | 172  | 1499909  | 114.51 | ng    | 0.00     |
| 79) Terphenyl-d14              | 19.92 | 244  | 2308899  | 90.45  | ng    | 0.00     |
| Target Compounds               |       |      |          |        |       |          |
| 19) n-Nitroso-di-n-propylamine | 9.09  | 70   | 79334    | 20.963 | ng    | # 76     |
| 51) 2,6-Dinitrotoluene         | 14.56 | 165  | 26120    | 7.660  | ng    | # 33     |
| 57) 2,4-Dinitrotoluene         | 14.56 | 165  | 26120    | 5.372  | ng    | # 33     |
| 67) 4-Bromophenyl-phenylether  | 16.05 | 248  | 31711    | 5.715  | ng    | # 1      |
| 77) Benzidine                  | 19.92 | 184  | 39414    | 3.122  | ng    | # 92     |

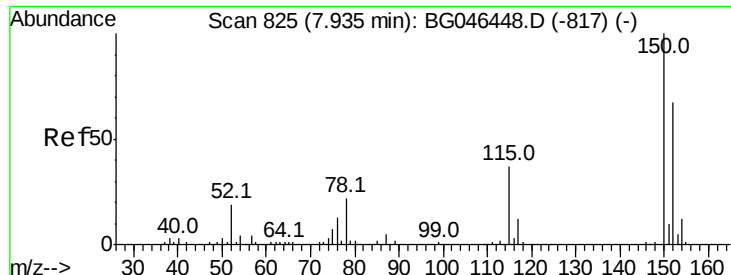
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090220\  
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QLast Update : Wed Sep 02 15:06:53 2020  
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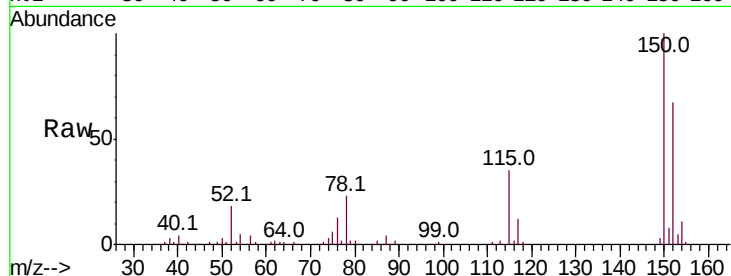


#1

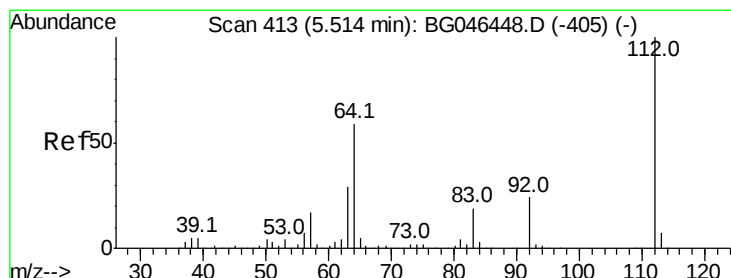
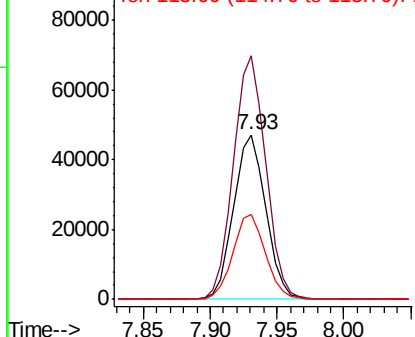
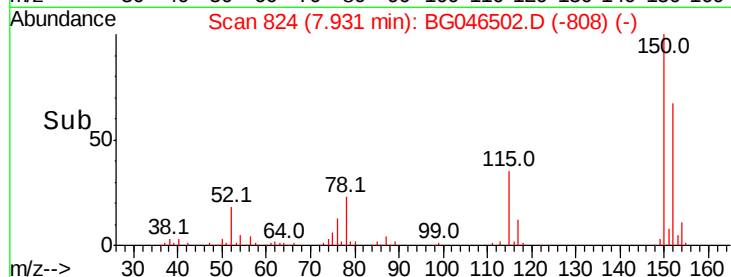
1,4-Dichlorobenzene-d4  
 Concen: 20.000 ng  
 RT: 7.93 min Scan# 824  
 Delta R.T. -0.00 min  
 Lab File: BG046502.D  
 Acq: 2 Sep 2020 13:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131362BL

Tot Ion:152 Resp: 79050  
 Ion Ratio Lower Upper  
 152 100  
 150 148.3 119.5 179.3  
 115 52.1 44.3 66.5



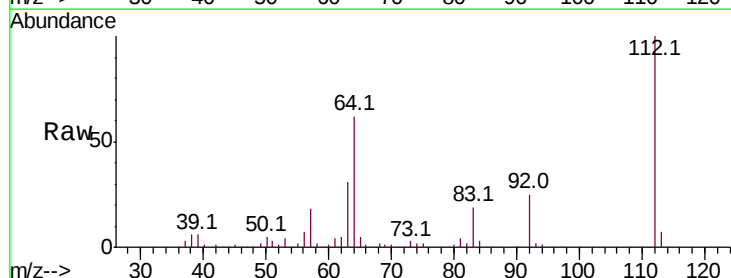
Abundance Ion 152.00 (151.70 to 152.70): E  
 Ion 150.00 (149.70 to 150.70): E  
 Ion 115.00 (114.70 to 115.70): E



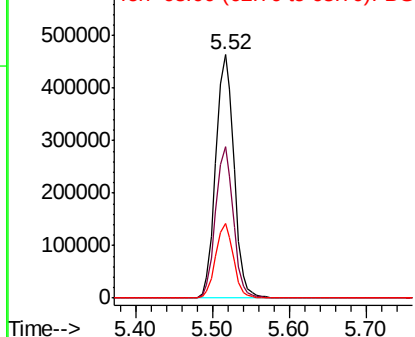
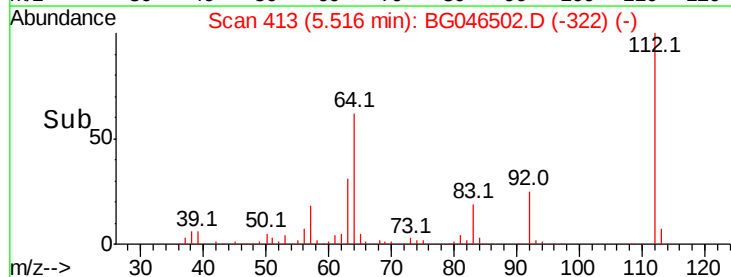
#5

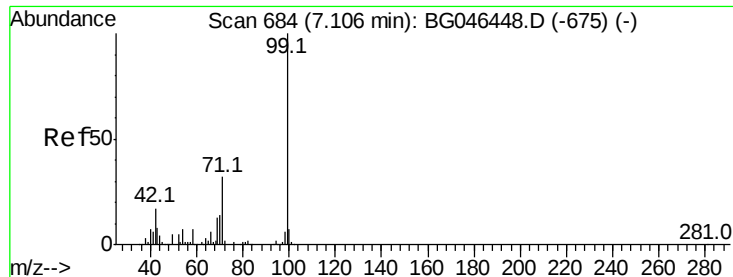
2-Fluorophenol  
 Concen: 169.490 ng  
 RT: 5.52 min Scan# 413  
 Delta R.T. 0.00 min  
 Lab File: BG046502.D  
 Acq: 2 Sep 2020 13:58

Tgt Ion:112 Resp: 756455  
 Ion Ratio Lower Upper  
 112 100  
 64 62.0 47.0 70.6  
 63 30.6 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): E  
 Ion 64.00 (63.70 to 64.70): BG  
 Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 147.806 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046502.D

Acq: 2 Sep 2020 13:58

Instrument :

BNA\_G

ClientSampleId :

PB131362BL

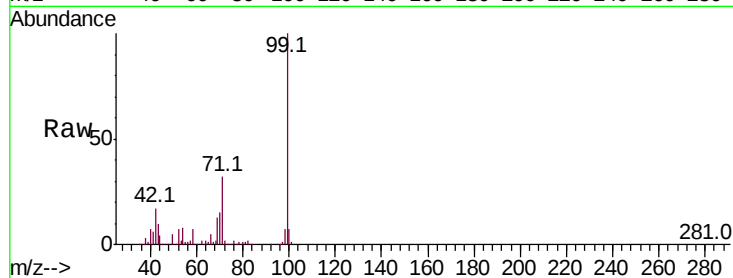
Tot Ion: 99 Resp: 935161

Ion Ratio Lower Upper

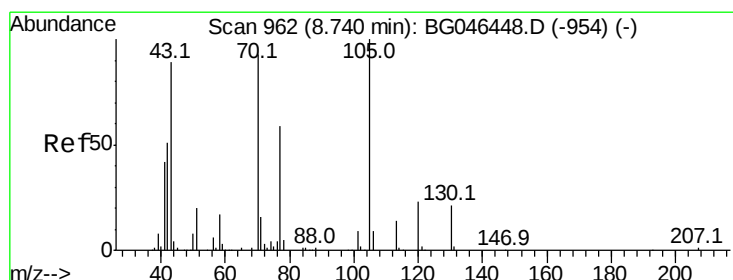
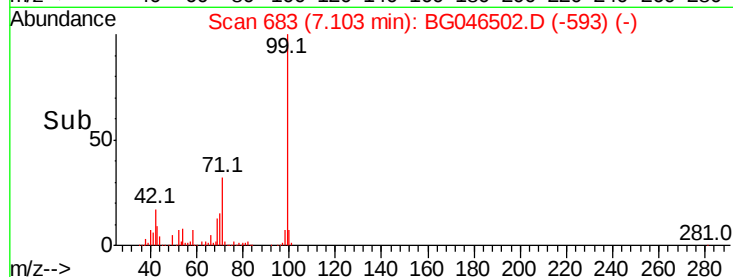
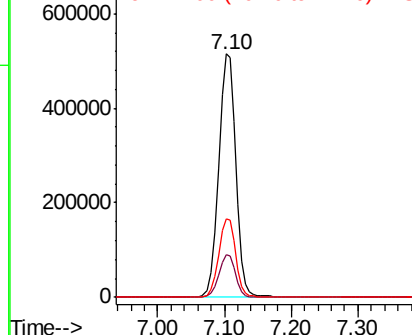
99 100

42 17.4 13.3 19.9

71 32.3 25.3 37.9



Abundance Ion 99.00 (98.70 to 99.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 20.963 ng

RT: 9.09 min Scan# 1021

Delta R.T. 0.35 min

Lab File: BG046502.D

Acq: 2 Sep 2020 13:58

Tgt Ion: 70 Resp: 79334

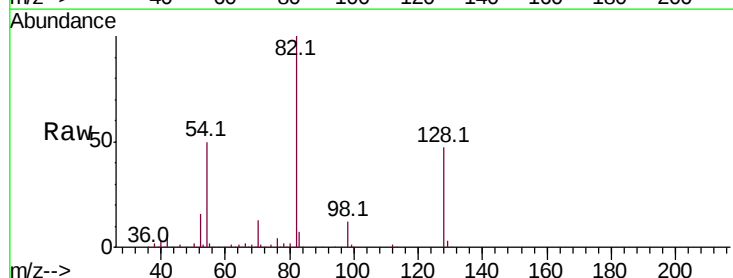
Ion Ratio Lower Upper

70 100

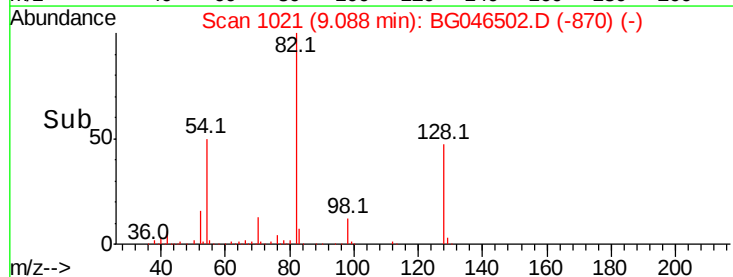
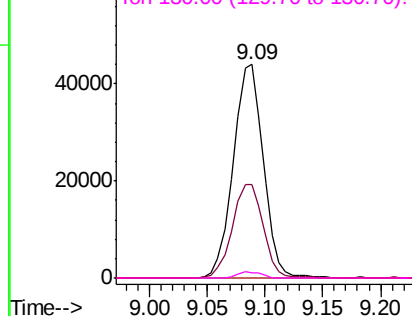
42 43.7 44.2 66.2#

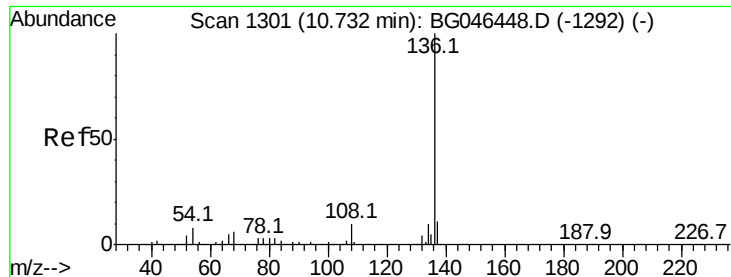
101 0.0 7.8 11.8#

130 2.3 18.2 27.4#



Abundance Ion 70.00 (69.70 to 70.70): BGC  
Ion 42.00 (41.70 to 42.70): BGC  
Ion 101.00 (100.70 to 101.70): BGC  
Ion 130.00 (129.70 to 130.70): BGC

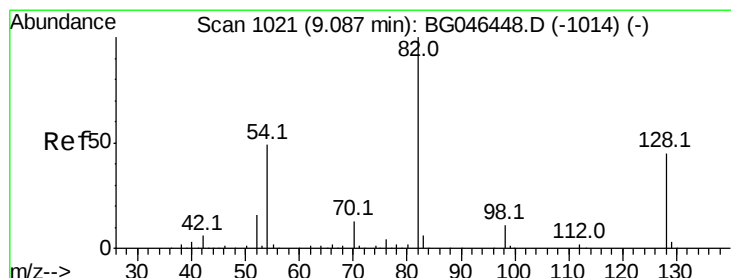
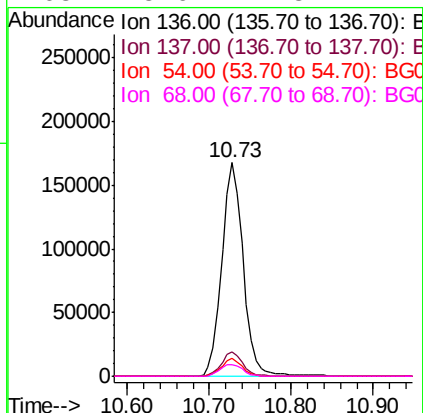
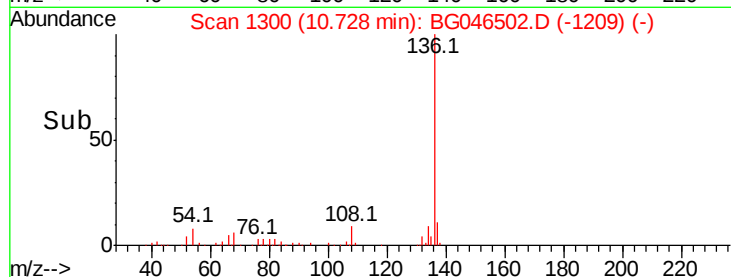
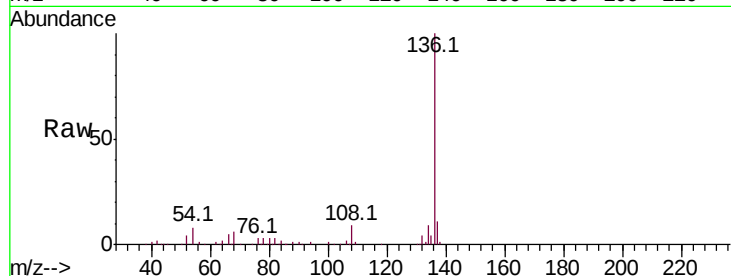




#21  
Naphthalene-d8  
Concen: 20.000 ng  
RT: 10.73 min Scan# 1300  
Delta R.T. 0.00 min  
Lab File: BG046502.D  
Acq: 2 Sep 2020 13:58

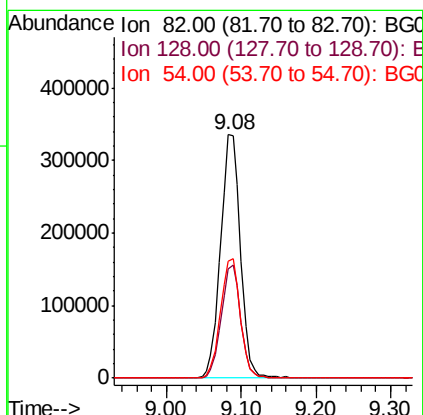
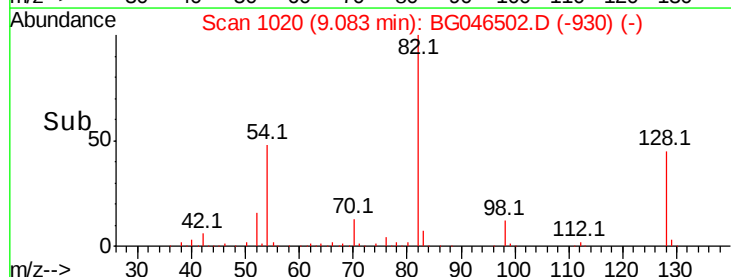
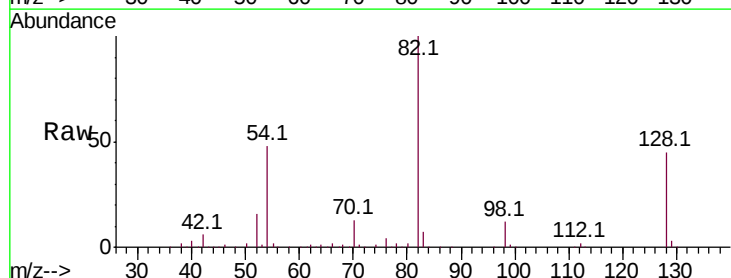
Instrument :  
BNA\_G  
ClientSampleId :  
PB131362BL

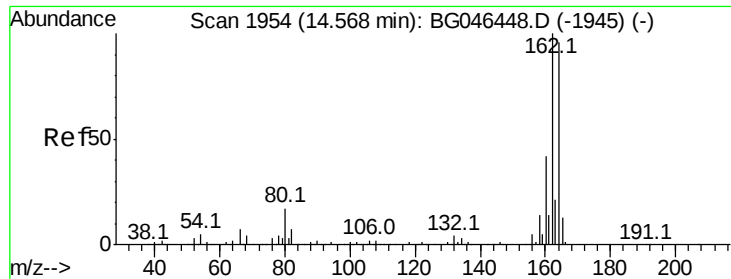
|             |       |             |
|-------------|-------|-------------|
| Tot Ion:136 | Resp: | 306745      |
| Ion         | Ratio | Lower Upper |
| 136         | 100   |             |
| 137         | 11.3  | 8.8 13.2    |
| 54          | 8.3   | 6.1 9.1     |
| 68          | 5.6   | 4.8 7.2     |



#23  
Nitrobenzene-d5  
Concen: 116.007 ng  
RT: 9.08 min Scan# 1020  
Delta R.T. -0.00 min  
Lab File: BG046502.D  
Acq: 2 Sep 2020 13:58

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion: 82 | Resp: | 622595      |
| Ion         | Ratio | Lower Upper |
| 82          | 100   |             |
| 128         | 44.9  | 35.7 53.5   |
| 54          | 47.8  | 39.4 59.0   |





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.56 min Scan# 1952

Delta R.T. -0.00 min

Lab File: BG046502.D

Acq: 2 Sep 2020 13:58

Instrument :

BNA\_G

ClientSampleId :

PB131362BL

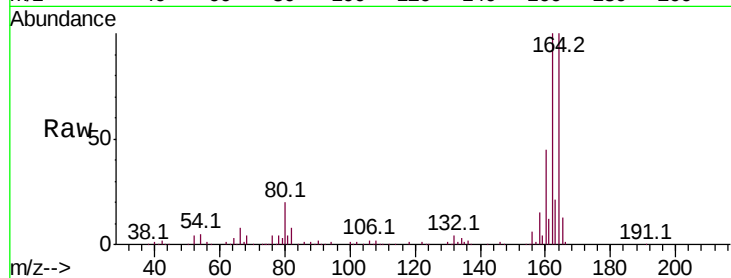
Tot Ion:164 Resp: 199955

Ion Ratio Lower Upper

164 100

162 99.9 83.3 124.9

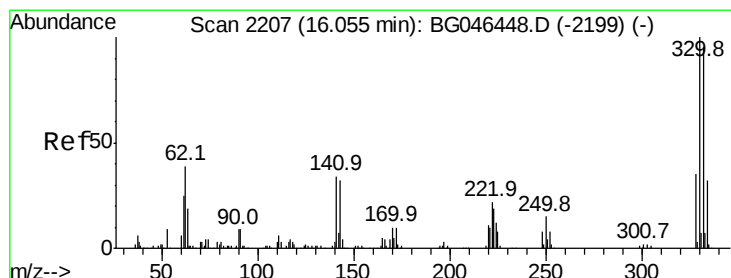
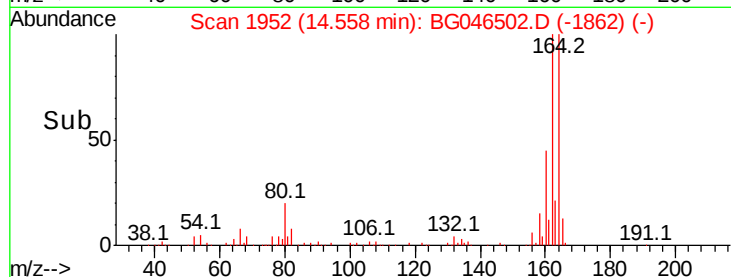
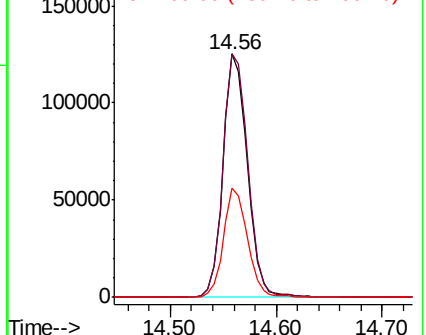
160 44.8 35.0 52.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 149.216 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.00 min

Lab File: BG046502.D

Acq: 2 Sep 2020 13:58

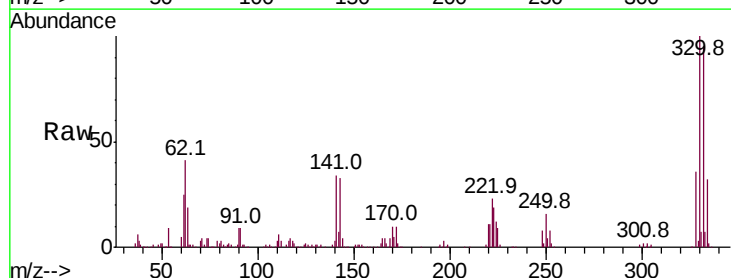
Tgt Ion:330 Resp: 404263

Ion Ratio Lower Upper

330 100

332 96.6 76.1 114.1

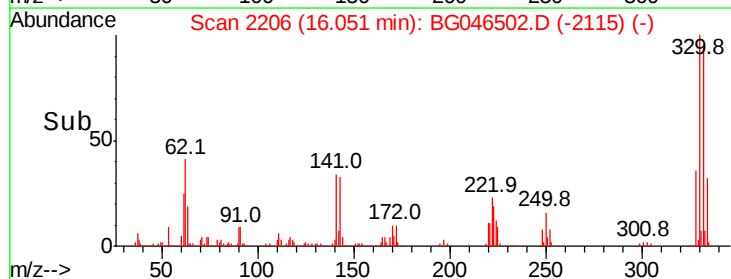
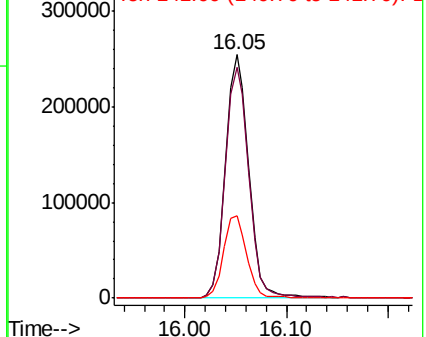
141 34.0 26.1 39.1

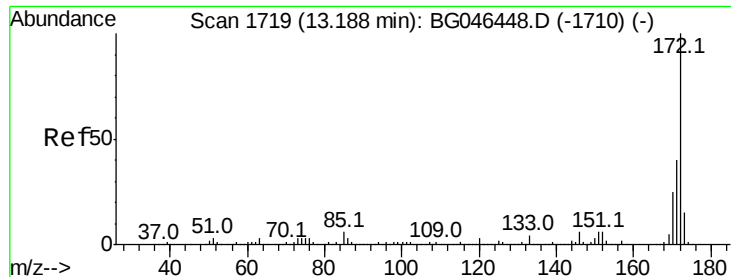


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



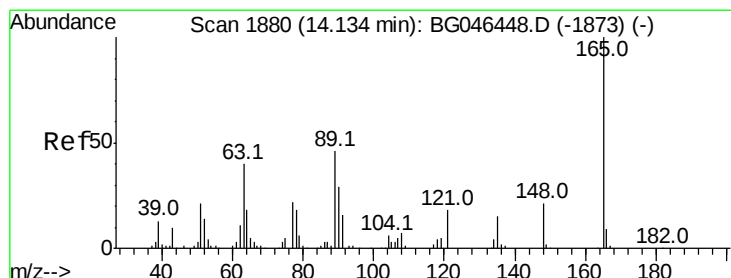
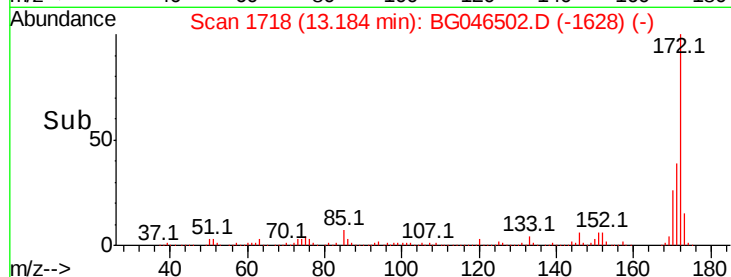
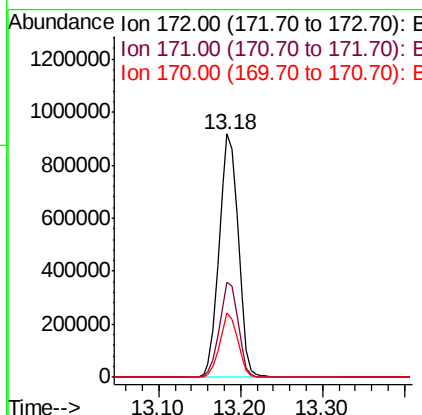
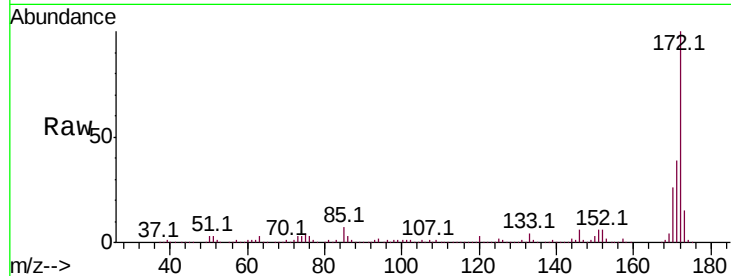


#45  
 2-Fluorobiphenyl  
 Concen: 114.511 ng  
 RT: 13.18 min Scan# 1718  
 Delta R.T. -0.00 min  
 Lab File: BG046502.D  
 Acq: 2 Sep 2020 13:58

Instrument :  
 BNA\_G  
 ClientSampleId :  
 PB131362BL

Tot Ion:172 Resp: 1499909  

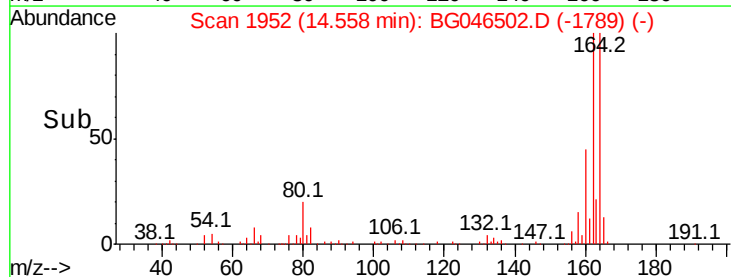
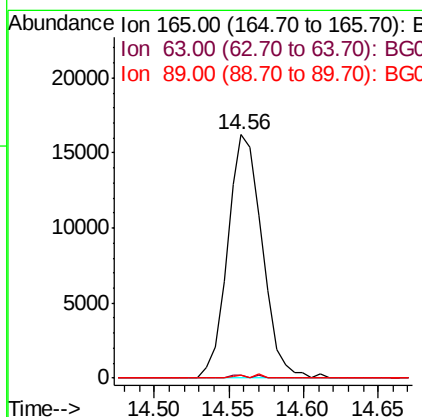
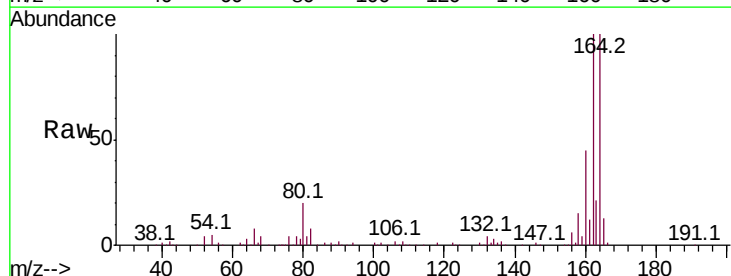
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 172 | 100   |       |       |
| 171 | 39.1  | 31.8  | 47.6  |
| 170 | 26.2  | 20.3  | 30.5  |

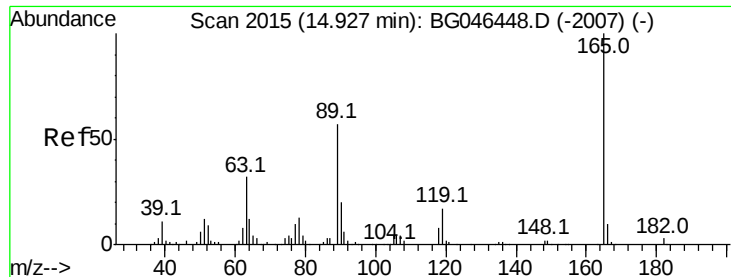


#51  
 2,6-Dinitrotoluene  
 Concen: 7.660 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. 0.43 min  
 Lab File: BG046502.D  
 Acq: 2 Sep 2020 13:58

Tgt Ion:165 Resp: 26120  

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 165 | 100   |       |       |
| 63  | 1.2   | 34.2  | 51.4# |
| 89  | 1.0   | 37.0  | 55.4# |

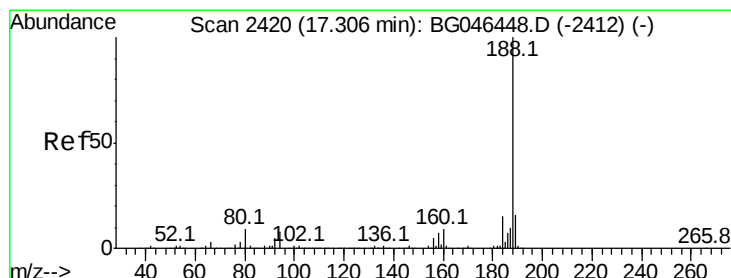
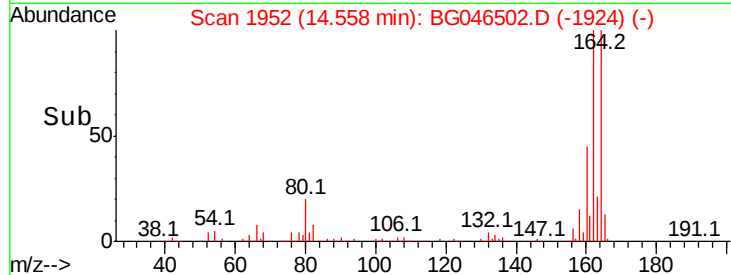
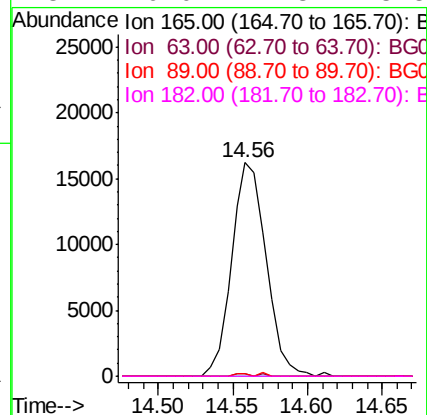
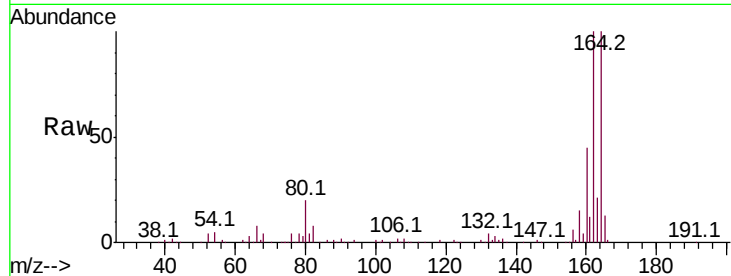




#57  
 2,4-Dinitrotoluene  
 Concen: 5.372 ng  
 RT: 14.56 min Scan# 1952  
 Delta R.T. -0.37 min  
 Lab File: BG046502.D  
 Acq: 2 Sep 2020 13:58

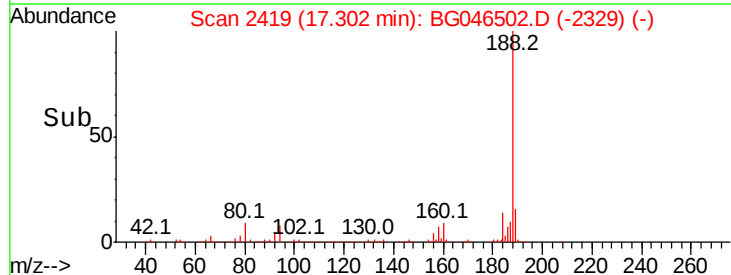
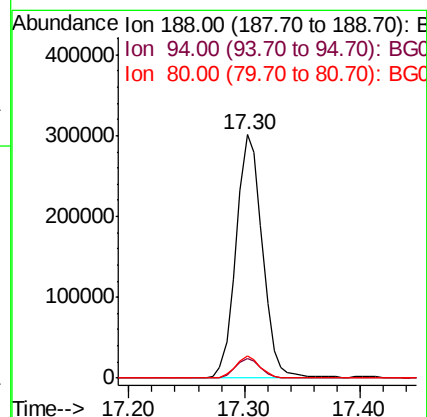
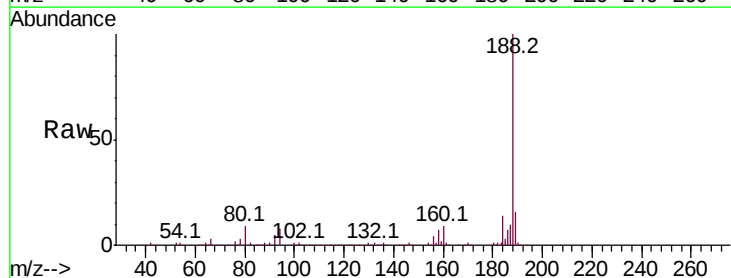
Instrument :  
 BNA\_G  
 ClientSampleID :  
 PB131362BL

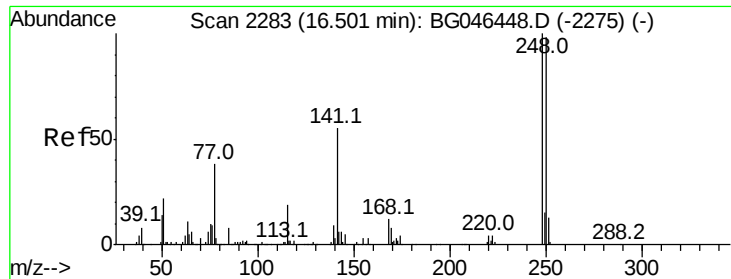
| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 165     | 100   |       |       |
| 63      | 1.2   | 25.4  | 38.0# |
| 89      | 1.0   | 45.9  | 68.9# |
| 182     | 0.0   | 2.3   | 3.5#  |



#64  
 Phenanthrene-d10  
 Concen: 20.000 ng  
 RT: 17.30 min Scan# 2419  
 Delta R.T. -0.00 min  
 Lab File: BG046502.D  
 Acq: 2 Sep 2020 13:58

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 188     | 100   |       |       |
| 94      | 8.2   | 6.3   | 9.5   |
| 80      | 9.0   | 6.9   | 10.3  |





#67

4-Bromophenyl-phenylether

Concen: 5.715 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.44 min

Lab File: BG046502.D

Acq: 2 Sep 2020 13:58

Instrument :

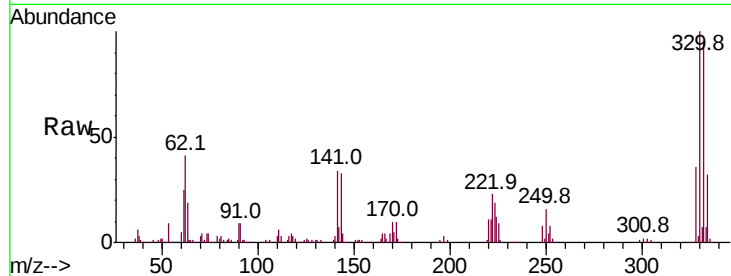
BNA\_G

ClientSampleId :

PB131362BL

Tot Ion:248 Resp: 31711

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 248 | 100   |       |        |
| 250 | 203.5 | 78.6  | 118.0# |
| 141 | 434.5 | 43.9  | 65.9#  |

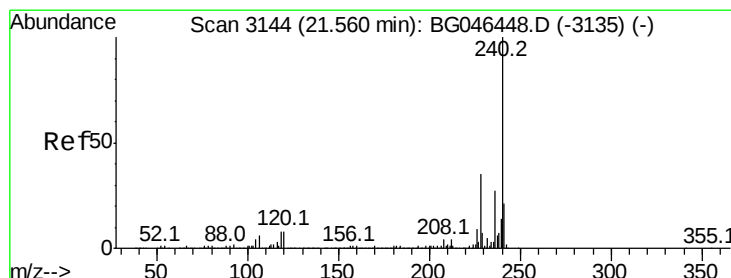
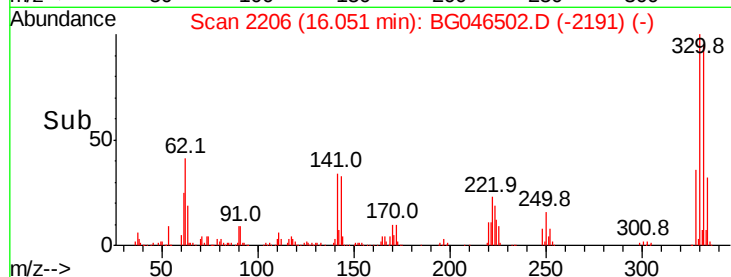
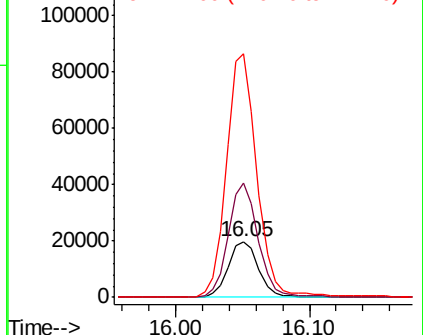


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.55 min Scan# 3142

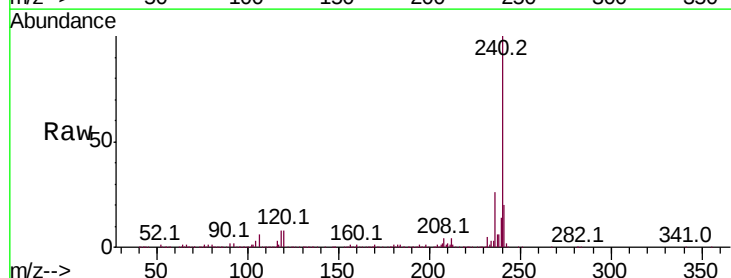
Delta R.T. -0.00 min

Lab File: BG046502.D

Acq: 2 Sep 2020 13:58

Tgt Ion:240 Resp: 543250

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 240 | 100   |       |       |
| 120 | 8.2   | 6.6   | 10.0  |
| 236 | 26.4  | 21.4  | 32.2  |

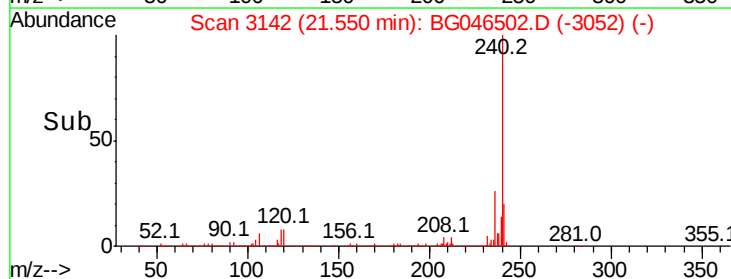
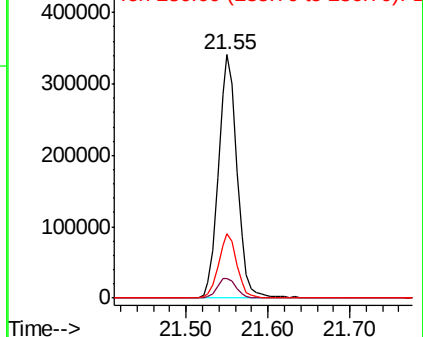


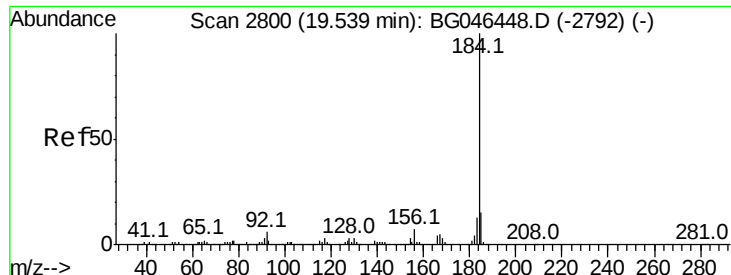
Abundance

Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

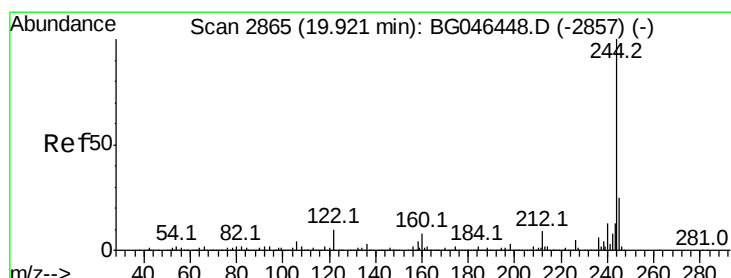
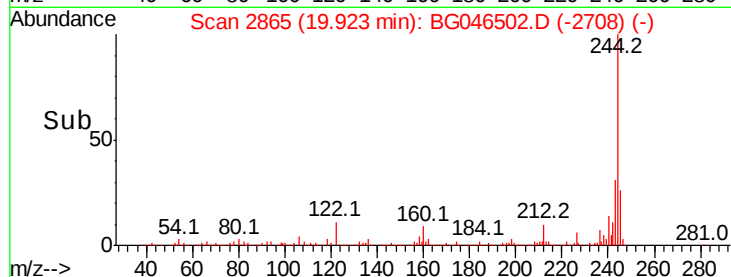
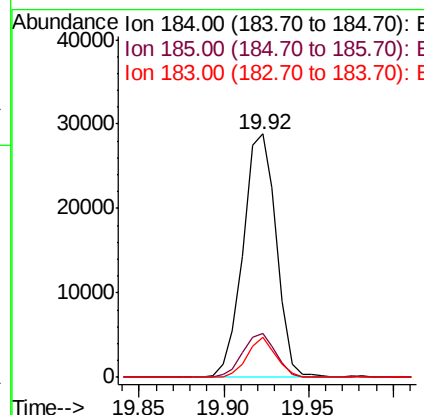
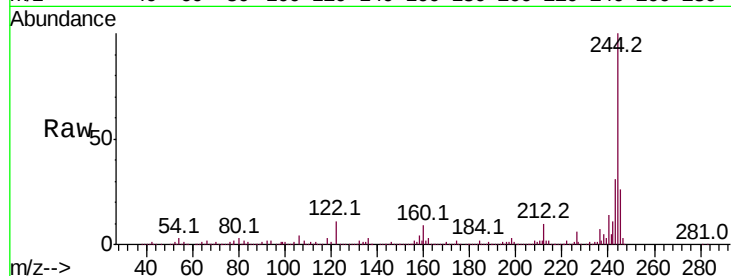




#77  
Benzidine  
Concen: 3.122 ng  
RT: 19.92 min Scan# 2865  
Delta R.T. 0.39 min  
Lab File: BG046502.D  
Acq: 2 Sep 2020 13:58

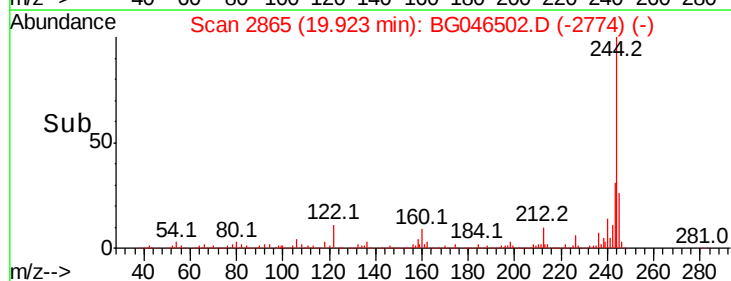
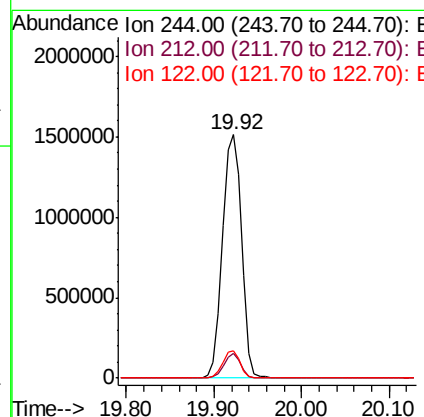
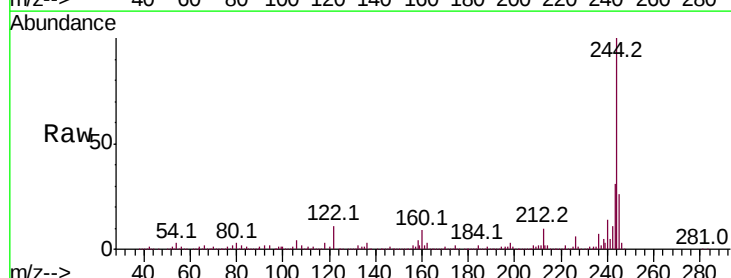
Instrument :  
BNA\_G  
ClientSampleId :  
PB131362BL

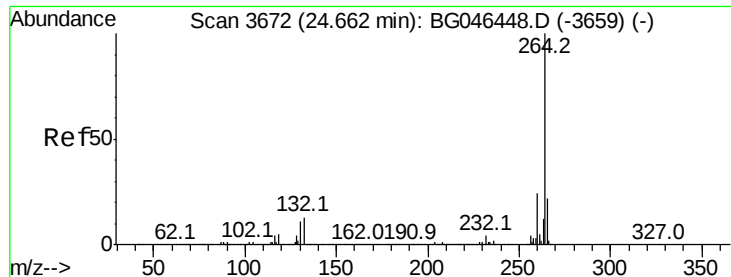
Tot Ion:184 Resp: 39414  
Ion Ratio Lower Upper  
184 100  
185 18.1 11.8 17.8#  
183 16.4 10.7 16.1#



#79  
Terphenyl-d14  
Concen: 90.451 ng  
RT: 19.92 min Scan# 2865  
Delta R.T. 0.00 min  
Lab File: BG046502.D  
Acq: 2 Sep 2020 13:58

Tgt Ion:244 Resp: 2308899  
Ion Ratio Lower Upper  
244 100  
212 10.1 6.9 10.3  
122 11.2 8.2 12.4





#86  
Pervlene-d12  
Concen: 20.000 ng  
RT: 24.65 min Scan# 3670  
Delta R.T. -0.00 min  
Lab File: BG046502.D  
Acq: 2 Sep 2020 13:58

Instrument :  
BNA\_G  
ClientSampleId :  
PB131362BL

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 264     | 100   |       |       |
| 260     | 24.6  | 19.2  | 28.8  |
| 265     | 21.7  | 17.9  | 26.9  |

